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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | ATTY. DOCKET NO. I-2-0402US | SERIAL NO. 10/735,936 |
| | APPLICANT Martin J. Dowling | |
| | FILING DATE December 15, 2003 | GROUP 2618 |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|--|-----------------|---------|-----------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 2002/0163896 | 11/2002 | Hiramatsu | | | |
| | | 2003/0035469 | 02/2003 | Frank et al. | | | |
| | | 2003/0128679 | 07/2003 | Ishiguro et al. | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--|-----------------|------|---------|-------|----------|-------------|----|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | | YES | NO |
| | | | | | | | | |

| OTHER DOCUMENTS | | |
|---------------------|---|---|
| EXAMINER INITIAL | | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
| | * | WIDROW ET AL., "Adaptive Noise Cancelling: Principles and Applications," <u>Proc. IEEE</u> , Vol. 63, No. 12, pp. 1692-1716, (December 1975). |
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| EXAMINER | DATE CONSIDERED |
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.